

LIST OF PUBLICATIONS ACKNOWLEDGING CCNA

#	PUBLICATION
108	Guerreiro, R., Ross, O. A., Kun-Rodrigues, C., Hernandez, D. G., Orme, T., Eicher, J. D., Shepherd, C. E., Parkkinen, L., Darwent, L., Heckman, M. G., Scholz, S. W., Troncoso, J. C., Pletnikova, O., Ansoorge, O., Clarimon, J., Lleo, A., Morenas-Rodriguez, E., Clark, L., Honig, L. S., Marder, K., Lemstra, A., Rogaeva, E., St George-Hyslop, P. , Londos, E., Zetterberg, H., Barber, I., Braae, A., Brown, K., Morgan, K., Troakes, C., Al-Sarraj, S., Lashley, T., Holton, J., Compta, Y., Van Deerlin, V., Serrano, G. E., Beach, T. G., Lesage, S., Galasko, D., Masliah, E., Santana, I., Pastor, P., Diez-Fairen, M., Aguilar, M., Tienari, P. J., Myllykangas, L., Oinas, M., Revesz, T., Lees, A., Boeve, B. F., Petersen, R. C., Ferman, T. J., Escott-Price, V., Graff-Radford, N., Cairns, N. J., Morris, J. C., Pickering-Brown, S., Mann, D., Halliday, G. M., Hardy, J., Trojanowski, J. Q., Dickson, D. W., Singleton, A., Stone, D. J., & Bras, J. (2018) Investigating the genetic architecture of dementia with Lewy bodies: a two-stage genome-wide association study. <i>The Lancet Neurology</i> , 17(1), 64-74.
107	Blauwendraat C, Kia DA, Pihlstrom L, Gan-Or Z , Lesage S, Gibbs JR, Ding J, Alcalay RN, Hassin-Baer S, Pittman AM, Brooks J, Edsall C, Chung SJ, Goldwurm S, Toft M, Schulte C, International Parkinson's Disease Genomics C, COURAGE-PD C, Hernandez D, Singleton AB, Nalls MA, Brice A, Scholz SW, Wood NW. (2018) Insufficient evidence for pathogenicity of SNCA His50Gln (H50Q) in Parkinson's disease. <i>Neurobiology of Aging</i> , 64, 59.e155-159.e158.
106	McGoldrick, P., Zhang, M. , van Blitterswijk, M., Sato, C., Moreno, D., Xiao, S., Zhang, A. B., McKeever, P. M., Weichert, A., Schneider, R., Keith, J., Petrucelli, L., Rademakers, R., Zinman, L., Robertson, J., & Rogaeva, E. (2018). Unaffected mosaic C9orf72 case: RNA foci, dipeptide proteins, but upregulated C9orf72 expression. <i>Neurology</i> , 90(4), e323-e331. doi:10.1212/WNL.0000000000004865
105	Smith, E. E., & Beaudin, A. E. (2018). New insights into cerebral small vessel disease and vascular cognitive impairment from MRI. <i>Current Opinion in Neurology</i> <i>Current Opinion in Neurology</i> , 31(1), 36-43.
104	Gomez-Smith, M. , Janik, R., Adams, C., Lake, E. M., Thomason, L. A. M., Jeffers, M. S., Stefanovic, B. , & Corbett, D. (2018). Reduced Cerebrovascular Reactivity and Increased Resting Cerebral Perfusion in Rats Exposed to a Cafeteria Diet. <i>Neuroscience</i> , 371, 166-177.
103	Sapkota, S., Dixon, R. A. (2018). A Network of Genetic Effects on Non-Demented Cognitive Aging: Alzheimer's Genetic Risk (CLU + CR1+PICALM) Intensifies Cognitive Aging Genetic Risk (COMT + BDNF) Selectively for APOE 4 Carriers. <i>Journal of Alzheimer's Disease</i> , 62, 887-900.
102	Montero-Odasso M, Speechley M. (2018) Falls in Cognitively Impaired Older Adults: Implications for Risk Assessment and Prevention. <i>Journal of the American Geriatrics Society</i> .
101	Cullen S, Montero-Odasso M, Bherer L, Almeida Q, Fraser S, Muir-Hunter SW, Li K, Liu-Ambrose T, McGibbon C, McIlroy W, Middleton L, Sarquis-Adamson Y, Morais JA, Beauchet O, McFadyen BJ, Camicioli R. (In press) The Canadian Gait and Cognition Network. Guidelines for Gait Assessments in the Canadian Consortium on Neurodegeneration in Aging (CCNA). <i>Canadian Geriatrics Journal</i> .
100	Qamar S, Wang G, Randle SJ, Ruggeri FS, Varela JA, Lin JQ, Phillips EC, Miyashita A, Williams D, Strohl F, Meadows W, Ferry R, Dardov VJ, Tartaglia GG, Farrer LA, Kaminski Schierle GS, Kaminski CF, Holt CE, Fraser PE, Schmitt-Ulms G, Klenerman D, Knowles T, Vendruscolo M, St George-Hyslop P. (2018) FUS Phase Separation Is Modulated by a Molecular Chaperone and Methylation of Arginine Cation-pi Interactions. <i>Cell</i> , 173(3), p.720-734.
99	Kueper J.K., Speechley M., Montero-Odasso M. (2018) The Alzheimer's Disease Assessment Scale - Cognitive Subscale (ADAS-Cog): Modifications and responsiveness in pre-dementia populations. <i>Journal of Alzheimer's Disease</i> , 63(2), p. 423-444.
98	Sanford, S., Rapoport, M. J., Tuokko, H., Crizzle, A., Hatzifilalithis, S., Laberge, S., Naglie, G., on behalf of the Canadian Consortium on Neurodegeneration in Aging, Driving & Dementia Team. (2018). Independence, loss, and social identity: Perspectives on driving cessation and dementia. <i>Dementia</i> . doi:10.1177/1471301218762838

- 97** | **Guthrie D.M., Davidson J.G.S., Williams N., Campos J., Hunter K., Mick P., Orange J.B., Pichora-Fuller M.K, Savundranayagam M.Y., Wittich W.** (2018) Combined impairments in vision, hearing and cognition are associated with greater levels of functional and communication difficulties than cognitive impairment alone: Analysis of interRAI data for home care and long-term care recipients in Ontario. *PLOS ONE* 13(2), e0192971.
- 96** | **Mick, P., Parfyonov, M., Wittich, W., Phillips, N., & Kathleen Pichora-Fuller, M.** (2018). Associations between sensory loss and social networks, participation, support, and loneliness. Analysis of the Canadian Longitudinal Study on Aging, *Canadian Family Physician*, 64(1), e33-e41.
- 95** | Mohtashami, S., He, Q., Ruskey, J.A., Zhou, S., Dion, P.A., Allen, R.P., Earley, C.J., Fon, E.A., Xiong, L., Dupre, N., Dauvillers, Y., Rouleau, G.A., & Gan-Or, Z. (2018) *Journal of Molecular Neuroscience*, 64(3), 341-345.
- 94** | **Montero-Odasso M, Speechley M, Muir-Hunter SW**, Sarquis-Adamson Y, Sposato L, Hachinski V, **Borrie M**, Wells J, Black A, **Sejdić E, Bherer L, Chertkow H**, and The Canadian Gait and Cognition Network. (In press) Motor and cognitive trajectories before dementia: Results from the "Gait and Brain Study". *Journal of the American Geriatrics Society*.
- 93** | **Robillard, J.M. & Hoey, J.** (2018) Emotion and Motivation in Cognitive Assistive Technologies for Dementia. *Computer*, 51(3); 24-34.
- 92** | **Robillard, J.M. & Sporn, A.B.** (2018) Static versus interactive online resources about dementia: A comparison of readability scores. *Gerontechnology*, 17(1); 29-37.
- 91** | **Montero-Odasso M., Almeida Q.J., Burhan A.M., Camicioli R., Doyon J., Fraser S., Li K., Liu-Ambrose T., Middleton L., Muir-Hunter S., McIlroy W., Morais J.A.,** Pieruccini-Faria F., **Shoemaker K., Speechley M., Vasudev A.,** Zou G.Y., Berryman N., Lussier M., Vanderhaeghe L., **Bherer L.** (In press) SYNERGIC TRIAL (SYNchronizing Exercises, Remedies in GaIt and Cognition): A Multi-Centre Randomized Controlled Double Blind Trial to Improve Gait and Cognition in Mild Cognitive Impairment. *BMC Geriatric, BMC Geriatrics*, 18(1), 93.
- 90** | **Chertkow, H.,** on behalf of the Research Executive Committee of the Canadian Consortium on Neurodegeneration in Aging and the International IAP committee on Dementia (In Press) An Action Plan to Face the Challenge of Dementia: INTERNATIONAL STATEMENT ON DEMENTIA from IAP for Health. *The Journal of Prevention of Alzheimer's Disease*.
- 89** | **Vrkljan, B.,** Montpetit, A., **Naglie, G., Rapoport, M.J., Mazer, B.** (In Press) on behalf of the Canadian Consortium on Neurodegeneration in Aging Driving and Dementia Team. Interventions that support major life transitions in older adulthood: A systematic review. *International Psychogeriatrics*
- 88** | **Benedet A.L.,** Yu L., Labbe A., **Mathotaarachchi S., Pascoal T.A., Shin M.,** Kang M.S., **Gauthier S., Rouleau G.A., Poirier J.,** Bennett D.A., **Rosa-Neto P.,** Alzheimer's Disease Neuroimaging Initiative. (2018) CYP2C19 variant mitigates Alzheimer disease pathophysiology in vivo and postmortem. *Neurology Genetics*, 4(1), e216.
- 87** | Henriques A.D., **Benedet A.L.,** Camargos E.F., **Rosa-Neto P.,** Nobrega O.T. (2018) Fluid and imaging biomarkers for Alzheimer's disease: Where we stand and where to head to. *Experimental Gerontology*. Online first.
- 86** | **Pascoal T.A., Mathotaarachchi S., Shin M.,** Park A.Y., Mohades S., **Benedet A.L.,** Kang M.S., Massarweh G., **Soucy J.P., Gauthier S., Rosa-Neto P.** (2018). Alzheimer's Disease Neuroimaging Initiative. Amyloid and tau signatures of brain metabolic decline in preclinical Alzheimer's disease. *European Journal of Nuclear Medicine and Molecular Imaging*, 45(6), 1021-1030.

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- 84** Silverman J.M., Gibbs E., Peng X., Martens K.M., Balducci C., Wang J., Yousefi M., Cowan C.M., Lamour G., **Louadi S.**, Ban Y., **Robert J.**, Stukas S., Forloni G., **Hsiung G.R., Plotkin S.S., Wellington C.L., Cashman N.R.** (2018) A Rational Structured Epitope Defines a Distinct Subclass of Toxic Amyloid-beta Oligomers. *ACS Chemical Neuroscience*.
- 83** **Montero-Odasso M., Speechley M., Muir-Hunter S.W.**, Sarquis-Adamson Y., Sposato L.A., **Hachinski V., Borrie M., Wells J., Black A.**, Sejdic E., **Bherer L., Chertkow H.**, and the Canadian Gait and Cognition Network. (2018) Motor and Cognitive Trajectories Before Dementia: Results from Gait and Brain Study. *J Am Geriatr Soc*.
- 82** Sakurai R, **Bartha R, Montero-Odasso M. (2018)** Entorhinal Cortex Volume Is Associated With Dual-Task Gait Cost Among Older Adults With MCI: Results From the Gait and Brain Study. *J Gerontol A Biol Sci Med Sci*.
- 81** Kun-Rodrigues, C., Ross, O. A., Orme, T., Shepherd, C., Parkkinen, L., Darwent, L., Hernandez, D., Ansorge, O., Clark, L. N., Honig, L. S., Marder, K., Lemstra, A., Scheltens, P., van der Flier, W., Louwersheimer, E., Holstege, H., **Rogaeva, E., St George-Hyslop, P.**, Londos, E., Zetterberg, H., Barber, I., Braae, A., Brown, K., Morgan, K., Maetzler, W., Berg, D., Troakes, C., Al-Sarraj, S., Lashley, T., Holton, J., Compta, Y., Van Deerlin, V., Trojanowski, J. Q., Serrano, G. E., Beach, T. G., Clarimon, J., Lleó, A., Morenas-Rodriguez, E., Lesage, S., Galasko, D., Masliah, E., Santana, I., Diez, M., Pastor, P., Tienari, P. J., Myllykangas, L., Oinas, M., Revesz, T., Lees, A., Boeve, B. F., Petersen, R. C., Ferman, T. J., Escott-Price, V., Graff-Radford, N., Cairns, N. J., Morris, J. C., Stone, D. J., Pickering-Brown, S., Mann, D., Dickson, D. W., Halliday, G. M., Singleton, A., Guerreiro, R., & Bras, J. (2017). Analysis of C9orf72 repeat expansions in a large international cohort of dementia with Lewy bodies. *Neurobiology of Aging*, 49, 214 e213-214 e215.
- 80** Gillingham, S. M., Yunusova, Y., Ganda, A., **Rogaeva, E., Black, S. E.**, Stuss, D. T., & Zinman, L. (2017). Assessing cognitive functioning in ALS: A focus on frontal lobe processes. *Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration*, 18(3-4), 182-192. doi:10.1080/21678421.2016.1248977

- 79** Nicolas, A., Kenna, K. P., Renton, A. E., Ticozzi, N., Faghri, F., Chia, R., Dominov, J. A., Kenna, B. J., Nalls, M. A., Keagle, P., Rivera, A. M., van Rheenen, W., Murphy, N. A., van Vugt, J. J. F. A., Geiger, J. T., Van der Spek, R. A., Pliner, H. A., Shankaracharya, Smith, B. N., Marangi, G., Topp, S. D., Abramzon, Y., Gkazi, A. S., Eicher, J. D., Kenna, A., Mora, G., Calvo, A., Mazzini, L., Riva, N., Mandrioli, J., Caponnetto, C., Battistini, S., Volanti, P., La Bella, V., Conforti, F. L., Borghero, G., Messina, S., Simone, I. L., Trojsi, F., Salvi, F., Logullo, F. O., D'Alfonso, S., Corrado, L., Capasso, M., Ferrucci, L., Moreno, C. d. A. M., Kamalakaran, S., Goldstein, D. B., Gitler, A. D., Harris, T., Myers, R. M., Phatnani, H., Musunuri, R. L., Evani, U. S., Abhyankar, A., Zody, M. C., Kaye, J., Finkbeiner, S., Wyman, S. K., LeNail, A., Lima, L., Fraenkel, E., Svendsen, C. N., Thompson, L. M., Van Eyk, J. E., Berry, J. D., Miller, T. M., Kolb, S. J., Cudkowicz, M., Baxi, E., Benatar, M., Taylor, J. P., Rampersaud, E., Wu, G., Wu, J., Lauria, G., Verde, F., Fogh, I., Tiloca, C., Comi, G. P., Sorarù, G., Cereda, C., Corcia, P., Laaksovirta, H., Myllykangas, L., Jansson, L., Valori, M., Ealing, J., Hamdalla, H., Rollinson, S., Pickering-Brown, S., Orrell, R. W., Sidle, K. C., Malaspina, A., Hardy, J., Singleton, A. B., Johnson, J. O., Arepalli, S., Sapp, P. C., McKenna-Yasek, D., Polak, M., Asress, S., Al-Sarraj, S., King, A., Troakes, C., Vance, C., de Bellerocche, J., Baas, F., ten Asbroek, A. L. M. A., Muñoz-Blanco, J. L., Hernandez, D. G., Ding, J., Gibbs, J. R., Scholz, S. W., Floeter, M. K., Campbell, R. H., Landi, F., Bowser, R., Pulst, S. M., Ravits, J. M., MacGowan, D. J. L., Kirby, J., Pioro, E. P., Pamphlett, R., Broach, J., Gerhard, G., Dunckley, T. L., Brady, C. B., Kowall, N. W., Troncoso, J. C., Le Ber, I., Mouzat, K., Lumbroso, S., Heiman-Patterson, T. D., Kamel, F., Van Den Bosch, L., Baloh, R. H., Strom, T. M., Meitinger, T., Shatunov, A., Van Eijk, K. R., de Carvalho, M., Kooyman, M., Middelkoop, B., Moisse, M., McLaughlin, R. L., Van Es, M. A., Weber, M., Boylan, K. B., Van Blitterswijk, M., Rademakers, R., Morrison, K. E., Basak, A. N., Mora, J. S., Drory, V. E., Shaw, P. J., Turner, M. R., Talbot, K., Hardiman, O., Williams, K. L., Fifita, J. A., Nicholson, G. A., Blair, I. P., Rouleau, G. A., Esteban-Pérez, J., García-Redondo, A., Al-Chalabi, A., **Rogaeva, E.**, Zinman, L., Ostrow, L. W., Maragakis, N. J., Rothstein, J. D., Simmons, Z., Cooper-Knock, J., Brice, A., Goutman, S. A., Feldman, E. L., Gibson, S. B., Taroni, F., Ratti, A., Gellera, C., Van Damme, P., Robberecht, W., Fratta, P., Sabatelli, M., Lunetta, C., Ludolph, A. C., Andersen, P. M., Weishaupt, J. H., Camu, W., Trojanowski, J. Q., Van Deerlin, V. M., Brown, R. H., van den Berg, L. H., Veldink, J. H., Harms, M. B., Glass, J. D., Stone, D. J., Tienari, P., Silani, V., Chiò, A., Shaw, C. E., Traynor, B. J., & Landers, J. E. (2018). Genome-wide Analyses Identify KIF5A as a Novel ALS Gene. *Neuron*, *97*(6), 1268-1283.e1266. doi:<https://doi.org/10.1016/j.neuron.2018.02.027>
- 78** Ba, M., Li, X., Ng, K. P., **Pascoal, T. A., Mathotaarachchi, S., Rosa-Neto, P., Gauthier, S.,** & Alzheimer Disease Neuroimaging, I. (2017). The prevalence and biomarkers' characteristic of rapidly progressive Alzheimer's disease from the Alzheimer's Disease Neuroimaging Initiative database *Alzheimers and Dementia (N Y)*, *3*(1), 107-113.
- 77** Ng, K. P., **Pascoal, T. A., Mathotaarachchi, S.,** Chung, C. O., **Benedet, A. L., Shin, M.,** Kang, M. S., Li, X., Ba, M., Kandiah, N., **Rosa-Neto, P., Gauthier, S.,** & Alzheimer's Disease Neuroimaging, I. (2017). Neuropsychiatric symptoms predict hypometabolism in preclinical Alzheimer disease. *Neurology*, *88*(19), 1814-1821.
- 76** **Cuello, A. C.** (2017). Early and Late CNS Inflammation in Alzheimer's Disease: Two Extremes of a Continuum? *Trends in Pharmacological Sciences*, *38*(11), 956-966.
- 75** Iulita, M. F., Bistue Millon, M. B., Pentz, R., Aguilar, L. F., **Do Carmo, S.,** Allard, S., Michalski, B., Wilson, E. N., Ducatenzeiler, A., Bruno, **M. A., Fahnestock, M., & Cuello, A. C.** (2017). Differential deregulation of NGF and BDNF neurotrophins in a transgenic rat model of Alzheimer's disease. *Neurobiol Dis*, *108*, 307-323.
- 74** **Mathotaarachchi, S., Pascoal, T. A., Shin, M., Benedet, A. L.,** Kang, M. S., Beaudry, T., Fonov, V. S., **Gauthier, S., Rosa-Neto, P.,** & Alzheimer's Disease Neuroimaging, I. (2017). Identifying incipient dementia individuals using machine learning and amyloid imaging. *Neurobiology of Aging*, *59*, 80-90.
- 73** Reichheld, S. E., Muiznieks, L. D., Keeley, F. W., & **Sharpe, S.** (2017). Direct observation of structure and dynamics during phase separation of an elastomeric protein. *Proc Natl Acad Sci U S A*, *114*(22), E4408-E4415.
- 72** **Fung, K. Y. Y., Fairn, G. D.,** & Lee, W. L. (2017). Transcellular vesicular transport in epithelial and endothelial cells: Challenges and opportunities. *Traffic*. (e-pub ahead of print)

- 71** **Fung, K. Y.**, Wang, C., Nyegaard, S., Heit, B., **Fairn, G. D.**, & Lee, W. L. (2017). SR-BI Mediated Transcytosis of HDL in Brain Microvascular Endothelial Cells Is Independent of Caveolin, Clathrin, and PDZK1. *Front Physiol*, 8, 841.
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- 69** **Greenwood, C. E., & Parrott, M. D.** (2017). Nutrition as a component of dementia risk reduction strategies. *Health Manage Forum*, 30(1), 40-45.
- 68** Bazzigaluppi, P., Beckett, T. L., Koletar, M. M., **Lai, A. Y.**, Joo, I. L., Brown, M. E., Carlen, P. L., **McLaurin, J., & Stefanovic, B.** (2017). Early-stage attenuation of phase-amplitude coupling in the hippocampus and medial prefrontal cortex in a transgenic rat model of Alzheimer's disease. *J Neurochem.* (e-pub ahead of print)
- 67** Iulita, M. F., **Noriega de la Colina, A., & Girouard, H.** (2017). Arterial stiffness, cognitive impairment and dementia: confounding factor or real risk? *J Neurochem.* (e-pub ahead of print)
- 66** Joo, I. L., **Lai, A. Y.**, Bazzigaluppi, P., Koletar, M. M., Dorr, A., Brown, M. E., Thomason, L. A., Sled, J. G., **McLaurin, J., & Stefanovic, B.** (2017). Early neurovascular dysfunction in a transgenic rat model of Alzheimer's disease. *Sci Rep*, 7, 46427.
- 65** **Lai, A. Y., & McLaurin, J.** (2017). Rho-associated protein kinases as therapeutic targets for both vascular and parenchymal pathologies in Alzheimer's disease. *J Neurochem.* (e-pub ahead of print)
- 64** **Levit, A., Regis, A. M.,** Garabon, J. R., **Oh, S. H.,** Desai, S. J., Rajakumar, N., **Hachinski, V.,** Agca, Y., Agca, C., **Whitehead, S. N., & Allman, B. L.** (2017). Behavioural inflexibility in a comorbid rat model of striatal ischemic injury and mutant hAPP overexpression. *Behav Brain Res*, 333, 267-275.
- 63** **Smith, E. E.** (2017). Prevention of Cerebral Small Vessel Disease. *Semin Neurol*, 37(3), 316-325.
- 62** **Trigiani, L. J., & Hamel, E.** (2017). An endothelial link between the benefits of physical exercise in dementia. *J Cereb Blood Flow Metab*, 37(8), 2649-2664.
- 61** **Badhwar, A., Tam, A., Dansereau, C., Orban, P.,** Hoffstaedter, F., & **Bellec, P.** (2017). Resting-state network dysfunction in Alzheimer's disease: A systematic review and meta-analysis. *Alzheimers Dement (Amst)*, 8, 73-85.
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- 53** **Kueper JK, Speechley M,** Lingum NR, **Montero-Odasso M.** (2017) Motor function and incident dementia: A systematic review and meta-analysis. *Age and Ageing*, 46(5), 729-738

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